

ALMANAC CLXVI OPPOSITIONS BETWEEN MARS AND JUPITER IN CE

The almanac CLXVI contains a list of oppositions
between Mars and Jupiter
from the 1st millennium CE to the 3rd millennium CE.

1ST MILLENNIUM CE

This is a list of oppositions between Mars and Jupiter in the 1st millennium CE.

DATE	TIME	ARC	MARS	JUPITER
JUL 26,	2 06:47 AM	180	02TA05	02SC05
NOV 01,	2 00:22 AM	180	18TA39R	18SC39
MAR 24,	3 09:44 PM	180	13GE05	13SA05
JUN 29,	5 12:20 PM	180	22LE53	22AQ53R
SEP 24,	7 03:24 AM	180	04SC49	04TA49R
NOV 29,	9 01:44 AM	180	11CP51	11CA51R
JAN 26,	12 05:33 PM	180	13PI18	13VI18R
APR 02,	14 07:59 AM	180	14TA13	14SC13R
JUN 23,	16 11:39 PM	180	19CA51	19CP51R
SEP 22,	18 04:59 AM	180	00LI29	00AR29R
DEC 06,	20 01:09 PM	180	09SA43	09GE43R
FEB 05,	23 10:42 PM	180	13AQ18	13LE18R
APR 06,	25 08:11 AM	180	14AR01	14LI01R
JUN 18,	27 02:44 PM	180	17GE09	17SA09R
SEP 14,	29 06:01 PM	180	25LE55	25AQ55R
DEC 11,	31 00:56 AM	180	06SC46	06TA46R
FEB 16,	34 04:47 PM	180	12CP48	12CA48R
APR 14,	36 09:42 PM	180	14PI10	14VI10R
JUN 18,	38 10:17 AM	180	15TA47	15SC47R
SEP 09,	40 11:46 AM	180	22CA40	22CP40R
DEC 23,	42 11:02 AM	180	06LI00	06AR00
APR 13,	43 10:18 AM	180	26LI07R	26AR07
AUG 19,	43 08:45 AM	180	19SC59	19TA59
MAR 30,	45 12:31 PM	180	18SA04	18GE04
JUN 04,	45 07:31 AM	180	00CP09R	00CA09
OCT 15,	45 05:39 PM	180	25CP13	25CA13

MAY 18, 47	10:59 AM	180	18AQ47	18LE47
SEP 16, 47	02:55 AM	180	10PI33R	10VI33
DEC 09, 47	11:27 AM	180	25PI24	25VI24
JUL 09, 49	01:14 AM	180	18AR34	18LI34
NOV 01, 49	10:03 PM	180	08TA29R	08SC29
MAR 01, 50	06:26 PM	180	28TA44	28SC44
JUN 06, 52	12:40 PM	180	07LE19	07AQ19R
SEP 05, 54	10:35 AM	180	19LI29	19AR29R
NOV 14, 56	10:54 AM	180	28SA06	28GE06R
JAN 12, 59	12:42 PM	180	00PI30	00VI30R
MAR 16, 61	01:18 AM	180	00TA58	00SC58R
JUN 03, 63	10:35 PM	180	05CA11	05CP11R
SEP 01, 65	07:06 PM	180	15VI09	15PI09R
NOV 21, 67	09:29 AM	180	25SC26	25TA26R
JAN 23, 70	02:44 AM	180	00AQ14	00LE14R
MAR 22, 72	06:54 AM	180	01AR06	01LI06R
MAY 30, 74	06:34 PM	180	03GE14	03SA14R
AUG 24, 76	05:23 AM	180	10LE47	10AQ47R
NOV 22, 78	00:14 AM	180	21LI50	21AR50R
FEB 01, 81	07:39 PM	180	29SA12	29GE12R
APR 01, 83	09:18 PM	180	01PI12	01VI12R
JUN 01, 85	05:53 PM	180	02TA21	02SC21R
AUG 19, 87	08:06 PM	180	07CA52	07CP52R
NOV 27, 89	04:44 AM	180	19VI53	19PI53
APR 15, 90	02:59 AM	180	14LI59R	14AR59
JUL 31, 90	06:50 AM	180	04SC38	04TA38
MAR 08, 92	09:24 AM	180	02SA56	02GE56
MAY 26, 92	01:28 PM	180	17SA30R	17GE30
OCT 01, 92	10:59 AM	180	11CP37	11CA37
MAY 05, 94	03:30 AM	180	05AQ48	05LE48

SEP 06, 94	04:16 PM	180	28AQ33R	28LE33
NOV 21, 94	01:44 AM	180	11PI58	11VI58
JUN 23, 96	09:56 AM	180	05AR21	05LI21
NOV 01, 96	10:35 PM	180	28AR15R	28LI15
FEB 06, 97	11:46 AM	180	14TA33	14SC33
SEP 06, 98	04:10 AM	180	09GE29	09SA29
NOV 14, 98	04:47 AM	180	20GE56R	20SA56
MAY 15, 99	04:58 AM	180	22CA04	22CP04R
AUG 16, 101	02:05 PM	180	03LI54	03AR54R
OCT 31, 103	03:15 AM	180	13SA55	13GE55R
DEC 29, 105	03:01 PM	180	17AQ37	17LE37R
FEB 28, 108	08:05 PM	180	18AR03	18LI03R
MAY 14, 110	02:31 PM	180	20GE56	20SA56R
AUG 11, 112	12:53 PM	180	29LE42	29AQ42R
NOV 04, 114	01:02 AM	180	10SC40	10TA40R
JAN 08, 117	10:48 PM	180	16CP54	16CA54R
MAR 08, 119	06:53 PM	180	18PI15	18VI15R
MAY 12, 121	07:30 PM	180	19TA33	19SC33R
AUG 03, 123	05:47 PM	180	25CA43	25CP43R
NOV 01, 125	11:10 PM	180	06LI38	06AR38R
JAN 18, 128	07:28 AM	180	15SA22	15GE22R
MAR 19, 130	02:24 AM	180	18AQ17	18LE17R
MAY 16, 132	07:50 PM	180	19AR04	19LI04R
JUL 30, 134	02:09 AM	180	23GE13	23SA13R
NOV 01, 136	08:57 PM	180	03VI52	03PI52
APR 18, 137	03:46 PM	180	04LI02R	04AR02
JUL 09, 137	01:15 AM	180	18LI36	18AR36
FEB 13, 139	03:36 PM	180	17SC23	17TA23
MAY 20, 139	11:31 PM	180	05SA08R	05GE08
SEP 17, 139	07:16 PM	180	27SA42	27GE42

APR 21, 141	05:24 AM	180	22CP34	22CA34
AUG 26, 141	07:34 AM	180	16AQ00R	16LE00
NOV 03, 141	06:50 PM	180	28AQ31	28LE31
JUN 09, 143	06:14 PM	180	22PI15	22VI15
NOV 02, 143	09:15 PM	180	18AR01R	18LI01
JAN 14, 144	09:59 AM	180	00TA17	00SC17
AUG 13, 145	08:22 PM	180	24TA41	24SC41
NOV 20, 145	01:35 AM	180	11GE15R	11SA15
APR 21, 146	03:31 PM	180	07CA10	07CP10
JUL 26, 148	11:59 PM	180	18VI29	18PI29R
OCT 15, 150	02:47 AM	180	29SC28	29TA28R
DEC 15, 152	02:14 PM	180	04AQ27	04LE27R
FEB 13, 155	05:28 AM	180	05AR09	05LI09R
APR 25, 157	03:51 AM	180	07GE04	07SA04R
JUL 22, 159	03:44 AM	180	14LE30	14AQ30R
OCT 16, 161	04:32 PM	180	25LI36	25AR36R
DEC 26, 163	08:20 AM	180	03CP16	03CA16R
FEB 22, 166	06:51 PM	180	05PI30	05VI30R
APR 26, 168	00:39 AM	180	06TA20	06SC20R
JUL 13, 170	08:38 PM	180	11CA00	11CP00R
OCT 11, 172	09:47 PM	180	21VI09	21PI09R
JAN 01, 175	04:49 PM	180	01SA03	01GE03R
MAR 05, 177	04:59 AM	180	05AQ12	05LE12R
MAY 02, 179	05:03 PM	180	05AR59	05LI59R
JUL 10, 181	12:09 PM	180	08GE53	08SA53R
OCT 09, 183	09:07 AM	180	18LE00	18AQ00R
APR 28, 184	10:37 AM	180	24VI00R	24PI00
JUN 09, 184	08:22 AM	180	01LI17	01AR17
JAN 20, 186	01:34 AM	180	01SC34	01TA34
MAY 16, 186	09:24 AM	180	23SC02R	23TA02

SEP 02, 186	07:08 AM	180	13SA27	13GE27
APR 06, 188	09:29 AM	180	09CP08	09CA08
AUG 13, 188	03:46 AM	180	03AQ04R	03LE04
OCT 19, 188	02:10 AM	180	15AQ16	15LE16
MAY 26, 190	09:42 PM	180	09PI19	09VI19
NOV 04, 190	04:58 AM	180	08AR02R	08LI02
DEC 19, 190	06:42 AM	180	15AR40	15LI40
JUL 25, 192	02:37 AM	180	10TA29	10SC29
NOV 23, 192	03:12 PM	180	01GE15R	01SA15
MAR 28, 193	04:06 AM	180	22GE13	22SA13
JUL 06, 195	02:37 AM	180	02VI52	02PI52R
SEP 28, 197	03:38 AM	180	14SC40	14TA40R
DEC 02, 199	11:06 AM	180	21CP04	21CA04R
JAN 29, 202	03:49 AM	180	22PI14	22VI14R
APR 06, 204	11:55 AM	180	23TA28	23SC28R
JUN 30, 206	11:39 PM	180	29CA42	29CP42R
SEP 27, 208	05:34 PM	180	10LI35	10AR35R
DEC 11, 210	04:52 AM	180	19SA22	19GE22R
FEB 08, 213	07:31 PM	180	22AQ32	22LE32R
APR 10, 215	11:33 PM	180	23AR14	23LI14R
JUN 23, 217	09:32 PM	180	26GE42	26SA42R
SEP 21, 219	02:24 PM	180	05VI49	05PI49R
DEC 15, 221	01:59 AM	180	16SC25	16TA25R
FEB 20, 224	02:10 AM	180	21CP58	21CA58R
APR 18, 226	09:18 AM	180	23PI10	23VI10R
JUN 22, 228	09:45 AM	180	25TA06	25SC06R
SEP 16, 230	00:19 AM	180	02LE29	02AQ29R
DEC 25, 232	08:48 PM	180	15LI25	15AR25
MAY 13, 233	11:57 PM	180	11SC03R	11TA03
AUG 15, 233	09:30 PM	180	28SC28	28TA28

MAR 21, 235	07:36 PM	180	25SA09	25GE09
JUL 31, 235	10:23 AM	180	19CP46R	19CA46
OCT 05, 235	08:16 AM	180	01AQ54	01LE54
MAY 13, 237	10:59 AM	180	26AQ25	26LE25
JUL 08, 239	04:38 PM	180	26AR48	26LI48
NOV 27, 239	01:57 PM	180	21TA18R	21SC18
MAR 02, 240	08:13 PM	180	07GE22	07SA22
OCT 04, 241	08:55 AM	180	04CA01	04CP01
NOV 23, 241	06:12 PM	180	12CA21R	12CP21
JUN 13, 242	01:41 AM	180	17LE12	17AQ12R
SEP 10, 244	01:14 AM	180	29LI32	29AR32R
NOV 18, 246	03:11 AM	180	07CP30	07CA30R
JAN 14, 249	05:12 PM	180	09PI25	09VI25R
MAR 20, 251	02:58 PM	180	10TA02	10SC02R
JUN 09, 253	05:18 PM	180	14CA56	14CP56R
SEP 08, 255	05:43 PM	180	25VI19	25PI19R
NOV 25, 257	09:08 AM	180	05SA12	05GE12R
JAN 26, 260	09:33 PM	180	09AQ28	09LE28R
MAR 26, 262	01:16 PM	180	10AR14	10LI14R
JUN 04, 264	06:33 PM	180	12GE45	12SA45R
AUG 31, 266	10:06 AM	180	20LE47	20AQ47R
NOV 26, 268	06:36 PM	180	01SC42	01TA42R
FEB 05, 271	12:31 PM	180	08CP29	08CA29R
APR 04, 273	06:50 AM	180	10PI15	10VI15R
JUN 06, 275	08:17 AM	180	11TA35	11SC35R
AUG 25, 277	01:08 AM	180	17CA30	17CP30R
DEC 02, 279	02:13 AM	180	29VI27	29PI27
MAY 14, 280	00:54 AM	180	29LI28R	29AR28
JUL 26, 280	11:01 PM	180	12SC56	12TA56
MAR 03, 282	09:42 AM	180	10SA42	10GE42

JUL 18, 282	07:23 AM	180	06CP25R	06CA25
SEP 21, 282	02:59 AM	180	18CP26	18CA26
APR 30, 284	04:06 AM	180	13AQ33	13LE33
JUN 23, 286	02:41 AM	180	13AR40	13LI40
DEC 01, 286	07:55 AM	180	11TA44R	11SC44
FEB 05, 287	04:49 AM	180	22TA39	22SC39
SEP 05, 288	03:58 PM	180	18GE09	18SA09
DEC 04, 288	03:31 AM	180	03CA08R	03CP08
MAY 20, 289	08:30 AM	180	01LE45	01AQ45
AUG 22, 291	01:54 PM	180	14LI00	14AR00R
NOV 03, 293	02:48 AM	180	23SA29	23GE29R
JAN 01, 296	02:43 PM	180	26AQ32	26LE32R
MAR 03, 298	05:50 PM	180	26AR54	26LI54R
MAY 19, 300	08:46 PM	180	00CA27	00CP27R
AUG 18, 302	08:41 PM	180	09VI56	09PI56R
NOV 08, 304	05:12 PM	180	20SC43	20TA43R
JAN 12, 307	11:56 PM	180	26CP19	26CA19R
MAR 11, 309	08:07 PM	180	27PI22	27VI22R
MAY 18, 311	09:40 AM	180	28TA58	28SC58R
AUG 10, 313	00:55 AM	180	05LE45	05AQ45R
NOV 08, 315	10:25 AM	180	16LI44	16AR44R
JAN 21, 318	09:49 AM	180	24SA49	24GE49R
MAR 21, 320	09:48 AM	180	27AQ20	27LE20R
MAY 21, 322	02:41 AM	180	28AR15	28LI15R
AUG 04, 324	06:07 AM	180	02CA54	02CP54R
NOV 08, 326	02:52 AM	180	13VI48	13PI48R
MAY 19, 327	06:51 PM	180	18LI46R	18AR46
JUL 03, 327	02:49 AM	180	26LI39	26AR39
FEB 11, 329	12:46 PM	180	25SC59	25TA59
JUL 06, 329	08:47 PM	180	23SA15R	23GE15

SEP 06, 329	06:26 PM	180	04CP44	04CA44
APR 17, 331	11:38 AM	180	00AQ28	00LE28
JUN 08, 333	09:06 AM	180	00AR37	00LI37
DEC 13, 333	11:28 PM	180	03TA39	03SC39
DEC 31, 333	02:26 AM	180	06TA28	06SC28
AUG 15, 335	10:10 AM	180	03GE30	03SA30
DEC 10, 335	12:50 PM	180	23GE22R	23SA22
APR 26, 336	01:13 AM	180	16CA37	16CP37
AUG 02, 338	04:15 AM	180	28VI29	28PI29R
OCT 18, 340	10:43 AM	180	09SA09	09GE09R
DEC 18, 342	06:23 PM	180	13AQ34	13LE34R
FEB 15, 345	11:47 PM	180	14AR07	14LI07R
MAY 01, 347	02:34 AM	180	16GE33	16SA33R
JUL 28, 349	02:24 PM	180	24LE42	24AQ42R
OCT 22, 351	09:53 PM	180	05SC50	05TA50R
DEC 29, 353	04:21 PM	180	12CP52	12CA52R
FEB 26, 356	02:56 PM	180	14PI36	14VI36R
MAY 01, 358	01:17 AM	180	15TA33	15SC33R
JUL 19, 360	10:33 PM	180	20CA55	20CP55R
OCT 19, 362	03:05 AM	180	01LI30	01AR30R
JAN 05, 365	02:06 PM	180	10SA52	10GE52R
MAR 08, 367	05:41 PM	180	14AQ26	14LE26R
MAY 05, 369	06:16 PM	180	15AR10	15LI10R
JUL 16, 371	09:48 AM	180	18GE32	18SA32R
OCT 15, 373	09:20 AM	180	28LE10	28AQ10R
JAN 22, 376	03:45 AM	180	10SC53	10TA53
JUN 28, 376	06:44 AM	180	10SA29R	10GE29
AUG 22, 376	05:25 AM	180	20SA38	20GE38
APR 03, 378	05:37 AM	180	17CP13	17CA13
MAY 25, 380	08:01 AM	180	17PI40	17VI40

JUL 26, 382	11:37 PM	180	19TA22	19SC22
DEC 14, 382	11:52 PM	180	13GE33R	13SA33
APR 01, 383	01:32 PM	180	01CA31	01CP31
JUL 11, 385	08:59 PM	180	13VI05	13PI05R
OCT 03, 387	04:32 AM	180	24SC42	24TA42R
DEC 04, 389	09:34 PM	180	00AQ26	00LE26R
FEB 01, 392	06:05 PM	180	01AR19	01LI19R
APR 12, 394	01:33 AM	180	02GE54	02SA54R
JUL 07, 396	08:34 AM	180	09LE47	09AQ47R
OCT 04, 398	08:19 AM	180	20LI50	20AR50R
DEC 14, 400	10:20 PM	180	29SA09	29GE09R
FEB 12, 403	08:16 PM	180	01PI52	01VI52R
APR 14, 405	10:49 PM	180	02TA37	02SC37R
JUN 30, 407	08:26 PM	180	06CA39	06CP39R
SEP 28, 409	05:25 AM	180	16VI15	16PI15R
DEC 20, 411	04:18 PM	180	26SC31	26TA31R
FEB 22, 414	08:43 PM	180	01AQ22	01LE22R
APR 21, 416	03:51 AM	180	02AR17	02LI17R
JUN 27, 418	06:42 PM	180	04GE33	04SA33R
SEP 22, 420	05:13 AM	180	12LE40	12AQ40R
DEC 30, 422	02:19 PM	180	25LI25	25AR25
JUN 24, 423	10:29 PM	180	28SC18R	28TA18
AUG 04, 423	05:36 PM	180	05SA47	05GE47
MAR 19, 425	01:37 AM	180	03CP45	03CA45
MAY 12, 427	09:35 PM	180	04PI55	04VI55
JUL 09, 429	12:26 PM	180	05TA42	05SC42
DEC 20, 429	01:26 PM	180	04GE01R	04SA01
MAR 04, 430	05:25 PM	180	16GE15	16SA15
OCT 05, 431	11:59 AM	180	13CA07	13CP07
DEC 14, 431	01:33 AM	180	24CA45R	24CP45

JUN 19, 432	03:18 AM	180	27LE29	27AQ29R
SEP 15, 434	07:45 PM	180	09SC52	09TA52R
NOV 20, 436	09:44 PM	180	17CP06	17CA06R
JAN 18, 439	03:32 AM	180	18PI34	18VI34R
MAR 24, 441	06:42 PM	180	19TA27	19SC27R
JUN 17, 443	04:27 AM	180	25CA06	25CP06R
SEP 15, 445	03:19 AM	180	05LI54	05AR54R
NOV 30, 447	06:14 PM	180	15SA21	15GE21R
JAN 30, 450	03:25 AM	180	19AQ02	19LE02R
MAR 30, 452	09:48 AM	180	19AR42	19LI42R
JUN 11, 454	11:47 AM	180	22GE39	22SA39R
SEP 07, 456	05:14 AM	180	01VI12	01PI12R
DEC 02, 458	10:47 PM	180	11SC57	11TA57R
FEB 08, 461	05:06 PM	180	18CP08	18CA08R
APR 08, 463	05:30 AM	180	19PI37	19VI37R
JUN 10, 465	03:49 PM	180	21TA12	21SC12R
SEP 01, 467	08:02 AM	180	27CA45	27CP45R
DEC 07, 469	09:19 AM	180	09LI47	09AR47
MAR 02, 472	08:49 AM	180	19SA45	19GE45
APR 29, 474	02:47 PM	180	22AQ07	22LE07
JUN 23, 476	02:37 PM	180	22AR26	22LI26
JAN 03, 477	10:08 AM	180	25TA59	25SC59
JAN 27, 477	02:13 AM	180	29TA50	29SC50
SEP 08, 478	04:43 PM	180	27GE26	27SA26
DEC 22, 478	01:36 PM	180	15CA10R	15CP10
MAY 27, 479	03:15 AM	180	11LE52	11AQ52
AUG 28, 481	03:19 AM	180	24LI39	24AR39R
NOV 07, 483	12:58 PM	180	03CP31	03CA31R
JAN 04, 486	03:31 AM	180	05PI55	05VI55R
MAR 07, 488	11:32 AM	180	06TA18	06SC18R

MAY 27, 490	02:19 AM	180	10CA33	10CP33R
AUG 25, 492	08:21 PM	180	20VI42	20PI42R
NOV 14, 494	06:52 PM	180	01SA11	01GE11R
JAN 16, 497	11:41 AM	180	06AQ06	06LE06R
MAR 16, 499	12:40 PM	180	06AR55	06LI55R
MAY 23, 501	09:03 PM	180	08GE54	08SA54R
AUG 18, 503	04:26 AM	180	16LE20	16AQ20R
NOV 14, 505	01:02 PM	180	27LI21	27AR21R
JAN 26, 508	04:57 AM	180	04CP47	04CA47R
MAR 25, 510	11:43 AM	180	06PI52	06VI52R
MAY 25, 512	06:57 AM	180	07TA56	07SC56R
AUG 11, 514	09:54 AM	180	13CA08	13CP08R
NOV 14, 516	06:11 AM	180	24VI16	24PI16R
FEB 13, 519	06:30 AM	180	05SA26	05GE26
APR 16, 521	05:54 AM	180	09AQ17	09LE17
JUN 10, 523	00:04 AM	180	09AR36	09LI36
AUG 18, 525	02:41 AM	180	13GE00	13SA00
DEC 27, 525	11:24 PM	180	05CA29R	05CP29
MAY 02, 526	10:40 AM	180	26CA40	26CP40
AUG 08, 528	05:44 AM	180	09LI14	09AR14R
OCT 23, 530	09:18 AM	180	19SA28	19GE28R
DEC 21, 532	08:55 AM	180	23AQ07	23LE07R
FEB 20, 535	04:31 AM	180	23AR24	23LI24R
MAY 06, 537	03:58 PM	180	26GE23	26SA23R
AUG 05, 539	06:37 PM	180	05VI26	05PI26R
OCT 28, 541	07:22 PM	180	16SC40	16TA40R
JAN 03, 544	04:40 PM	180	23CP02	23CA02R
MAR 02, 546	07:52 AM	180	24PI18	24VI18R
MAY 06, 548	04:11 AM	180	25TA25	25SC25R
JUL 28, 550	01:40 AM	180	01LE29	01AQ29R

OCT 26, 552	00:11 AM	180	12LI24	12AR24R
JAN 11, 555	00:40 AM	180	21SA10	21GE10R
MAR 11, 557	10:57 PM	180	24AQ09	24LE09R
MAY 10, 559	05:04 PM	180	24AR53	24LI53R
JUL 22, 561	09:35 AM	180	28GE48	28SA48R
OCT 23, 563	09:03 AM	180	08VI55	08PI55R
JAN 25, 566	01:09 AM	180	20SC55	20TA55
APR 02, 568	12:44 PM	180	26CP19	26CA19
MAY 26, 570	10:29 PM	180	26PI47	26VI47
JUL 29, 572	06:19 PM	180	28TA57	28SC57
JAN 02, 573	02:23 PM	180	25GE53R	25SA53
APR 05, 573	06:41 PM	180	11CA21	11CP21
NOV 16, 574	05:52 AM	180	10LE50	10AQ50
DEC 12, 574	06:16 AM	180	15LE10	15AQ10
JUL 19, 575	05:26 AM	180	23VI48	23PI48R
OCT 07, 577	12:50 PM	180	05SA09	05GE09R
DEC 08, 579	04:34 PM	180	10AQ11	10LE11R
FEB 04, 582	09:04 PM	180	10AR47	10LI47R
APR 17, 584	10:38 AM	180	12GE48	12SA48R
JUL 15, 586	04:37 PM	180	20LE30	20AQ30R
OCT 10, 588	06:58 PM	180	01SC49	01TA49R
DEC 20, 590	08:26 AM	180	09CP34	09CA34R
FEB 16, 593	11:55 AM	180	11PI40	11VI40R
APR 20, 595	12:30 PM	180	12TA19	12SC19R
JUL 07, 597	11:06 AM	180	16CA57	16CP57R
OCT 06, 599	12:57 PM	180	27VI13	27PI13R
DEC 25, 601	11:11 PM	180	07SA11	07GE11R
FEB 27, 604	11:24 AM	180	11AQ22	11LE22R
APR 25, 606	11:34 PM	180	12AR04	12LI04R
JUL 03, 608	09:14 AM	180	14GE44	14SA44R

SEP 30, 610	12:03 PM	180	23LE30	23AQ30R
JAN 04, 613	07:24 AM	180	05SC56	05TA56
MAR 20, 615	02:15 AM	180	13CP07	13CA07
MAY 13, 617	09:39 AM	180	14PI05	14VI05
JUL 13, 619	02:14 AM	180	15TA15	15SC15
JAN 13, 620	00:06 AM	180	16GE57R	16SA57
MAR 05, 620	07:06 AM	180	25GE29	25SA29
OCT 09, 621	02:37 AM	180	23CA11	23CP11
DEC 30, 621	10:36 AM	180	07LE04R	07AQ04
JUN 26, 622	09:18 PM	180	08VI17	08PI17R
SEP 20, 624	09:39 PM	180	20SC38	20TA38R
NOV 25, 626	00:27 AM	180	27CP07	27CA07R
JAN 21, 629	02:25 AM	180	28PI08	28VI08R
MAR 30, 631	06:01 PM	180	29TA20	29SC20R
JUN 24, 633	10:01 AM	180	05LE45	05AQ45R
SEP 22, 635	10:32 PM	180	16LI53	16AR53R
DEC 05, 637	11:46 AM	180	25SA51	25GE51R
FEB 03, 640	09:32 PM	180	28AQ59	28LE59R
APR 04, 642	09:54 PM	180	29AR33	29LI33R
JUN 17, 644	11:55 PM	180	03CA00	03CP00R
SEP 15, 646	07:42 PM	180	12VI12	12PI12R
DEC 08, 648	07:56 PM	180	22SC48	22TA48R
FEB 13, 651	02:40 PM	180	28CP20	28CA20R
APR 11, 653	08:04 PM	180	29PI23	29VI23R
JUN 16, 655	02:15 PM	180	01GE06	01SA06R
SEP 08, 657	05:16 AM	180	08LE18	08AQ18R
DEC 14, 659	09:13 AM	180	20LI33	20AR33
MAR 04, 662	02:30 PM	180	29SA34	29GE34
APR 30, 664	05:54 AM	180	01PI29	01VI29
JUN 26, 666	10:03 PM	180	01TA58	01SC58

SEP 12, 668	10:54 PM	180	07CA32	07CP32
JAN 07, 669	06:29 AM	180	27CA20R	27CP20
JUN 02, 669	06:15 PM	180	22LE33	22AQ33
SEP 03, 671	08:21 PM	180	05SC37	05TA37R
NOV 10, 673	11:51 PM	180	13CP45	13CA45R
JAN 07, 676	09:55 PM	180	15PI32	15VI32R
MAR 12, 678	08:45 PM	180	16TA04	16SC04R
JUN 03, 680	02:54 AM	180	21CA06	21CP06R
SEP 03, 682	04:59 AM	180	01LI49	01AR49R
NOV 20, 684	02:10 AM	180	11SA58	11GE58R
JAN 21, 687	09:11 AM	180	16AQ13	16LE13R
MAR 20, 689	07:23 PM	180	16AR49	16LI49R
MAY 31, 691	01:21 AM	180	19GE12	19SA12R
AUG 25, 693	07:33 PM	180	27LE15	27AQ15R
NOV 21, 695	07:47 PM	180	08SC13	08TA13R
JAN 30, 698	07:44 AM	180	15CP02	15CA02R
MAR 29, 700	02:18 AM	180	16PI45	16VI45R
MAY 31, 702	01:55 AM	180	17TA56	17SC56R
AUG 18, 704	05:44 AM	180	23CA43	23CP43R
NOV 22, 706	01:07 AM	180	05LI10	05AR10R
FEB 15, 709	03:21 PM	180	15SA30	15GE30
APR 17, 711	10:20 PM	180	18AQ43	18LE43
JUN 11, 713	08:48 PM	180	18AR59	18LI59R
AUG 22, 715	08:07 PM	180	22GE46	22SA46
JAN 14, 716	11:11 AM	180	17CA32R	17CP32
MAY 07, 716	09:39 PM	180	06LE49	06AQ49
AUG 15, 718	06:29 AM	180	20LI09	20AR09R
OCT 27, 720	08:11 AM	180	29SA59	29GE59R
DEC 25, 722	04:27 AM	180	02PI56	02VI56R
FEB 24, 725	00:45 AM	180	03TA07	03SC07R

MAY 14, 727	02:43 AM	180	06CA42	06CP42R
AUG 13, 729	08:10 AM	180	16VI30	16PI30R
NOV 04, 731	03:01 PM	180	27SC36	27TA36R
JAN 07, 734	05:34 PM	180	03AQ15	03LE15R
MAR 06, 736	08:03 AM	180	04AR09	04LI09R
MAY 12, 738	08:47 PM	180	05GE35	05SA35R
AUG 04, 740	03:57 PM	180	12LE21	12AQ21R
NOV 02, 742	10:13 PM	180	23LI26	23AR26R
JAN 15, 745	02:14 PM	180	01CP36	01CA36R
MAR 16, 747	01:01 PM	180	04PI04	04VI04R
MAY 15, 749	04:08 AM	180	04TA50	04SC50R
JUL 29, 751	09:19 PM	180	09CA16	09CP16R
OCT 30, 753	11:25 AM	180	19VI45	19PI45R
JAN 29, 756	09:05 AM	180	01SA05	01GE05
APR 04, 758	06:28 AM	180	05AQ45	05LE45
MAY 28, 760	03:26 PM	180	06AR12	06LI12R
AUG 03, 762	10:54 AM	180	08GE47	08SA47
JAN 21, 763	12:40 PM	180	08CA11R	08CP11
APR 10, 763	08:44 PM	180	21CA17	21CP17
NOV 16, 764	00:26 AM	180	20LE21	20AQ21
JAN 01, 765	11:37 PM	180	28LE15R	28AQ15
JUL 25, 765	01:12 PM	180	04LI41	04AR41R
OCT 12, 767	06:59 PM	180	15SA45	15GE45R
DEC 11, 769	11:04 AM	180	20AQ03	20LE03R
FEB 09, 772	01:59 AM	180	20AR20	20LI20R
APR 23, 774	09:52 PM	180	22GE42	22SA42R
JUL 22, 776	08:40 PM	180	01VI11	01PI11R
OCT 17, 778	11:46 PM	180	12SC48	12TA48R
DEC 24, 780	05:25 PM	180	20CP01	20CA01R
FEB 21, 783	09:56 AM	180	21PI37	21VI37R

APR 25, 785	04:13 PM	180	22TA20	22SC20R
JUL 15, 787	02:59 PM	180	27CA33	27CP33R
OCT 13, 789	07:23 PM	180	08LI15	08AR15R
DEC 31, 791	10:51 PM	180	17SA44	17GE44R
MAR 03, 794	00:43 AM	180	21AQ18	21LE18R
APR 30, 796	00:42 AM	180	21AR54	21LI54R
JUL 10, 798	09:15 AM	180	25GE03	25SA03R
OCT 07, 800	08:26 PM	180	04VI21	04PI21R
JAN 09, 803	09:48 PM	180	16SC23	16TA23
MAR 21, 805	04:21 AM	180	22CP39	22CA39
MAY 15, 807	08:28 PM	180	23PI27	23VI27R
JUL 16, 809	09:48 AM	180	24TA59	24SC59R
FEB 08, 810	11:58 PM	180	00CA34	00CP34
MAR 01, 810	08:11 AM	180	03CA52	03CP52
OCT 14, 811	02:57 PM	180	03LE22	03AQ22
JAN 16, 812	04:04 AM	180	19LE16R	19AQ16
JUL 03, 812	04:34 AM	180	18VI59	18PI59
SEP 26, 814	07:41 AM	180	01SA09	01GE09R
NOV 27, 816	03:48 PM	180	06AQ56	06LE56R
JAN 24, 819	08:35 PM	180	07AR38	07LI38R
APR 04, 821	05:41 PM	180	09GE11	09SA11R
JUL 02, 823	01:09 PM	180	16LE20	16AQ20R
SEP 29, 825	10:59 AM	180	27LI49	27AR49R
DEC 11, 827	01:03 AM	180	06CP20	06CA20R
FEB 07, 830	03:28 PM	180	08PI55	08VI55R
APR 09, 832	10:24 AM	180	09TA20	09SC20R
JUN 25, 834	07:39 AM	180	13CA10	13CP10R
SEP 22, 836	09:41 PM	180	22VI55	22PI55R
DEC 15, 838	05:43 AM	180	03SA26	03GE26R
FEB 17, 841	08:44 AM	180	08AQ24	08LE24R

APR 16, 843	03:24 PM	180	09AR11	09LI11R
JUN 21, 845	11:21 PM	180	11GE11	11SA11R
SEP 16, 847	06:56 AM	180	18LE56	18AQ56R
DEC 19, 849	09:35 PM	180	01SC07	01TA07R
MAR 06, 852	03:05 AM	180	09CP10	09CA10
MAY 02, 854	09:21 AM	180	10PI44	10VI44R
JUN 29, 856	04:25 PM	180	11TA29	11SC29R
SEP 18, 858	05:11 PM	180	17CA40	17CP40
JAN 23, 859	03:10 PM	180	09LE23R	09AQ23
JUN 09, 859	09:16 PM	180	03VI04	03PI04
SEP 08, 861	05:19 PM	180	16SC13	16TA13R
NOV 14, 863	06:05 PM	180	23CP38	23CA38R
JAN 10, 866	05:35 AM	180	24PI56	24VI56R
MAR 17, 868	02:13 AM	180	25TA42	25SC42R
JUN 10, 870	09:16 PM	180	01LE29	01AQ29R
SEP 09, 872	08:43 PM	180	12LI37	12AR37R
NOV 25, 874	04:53 PM	180	22SA21	22GE21R
JAN 24, 877	09:41 PM	180	26AQ03	26LE03R
MAR 25, 879	10:35 PM	180	26AR31	26LI31R
JUN 06, 881	01:02 AM	180	29GE17	29SA17R
SEP 02, 883	11:41 PM	180	07VI53	07PI53R
NOV 27, 885	01:38 PM	180	18SC49	18TA49R
FEB 04, 888	03:54 AM	180	25CP06	25CA06R
APR 02, 890	02:29 PM	180	26PI28	26VI28R
JUN 04, 892	04:58 PM	180	27TA42	27SC42R
AUG 25, 894	12:59 PM	180	03LE54	03AQ54R
NOV 27, 896	09:33 PM	180	15LI34	15AR34R
FEB 18, 899	08:57 PM	180	25SA14	25GE14
APR 19, 901	01:28 AM	180	28AQ00	28LE00R
JUN 15, 903	05:17 AM	180	28AR22	28LI22R

AUG 27, 905	03:14 AM	180	02CA38	02CP38
JAN 30, 906	02:57 PM	180	29CA30R	29CP30
MAY 13, 906	10:46 PM	180	16LE54	16AQ54
AUG 20, 908	09:06 AM	180	00SC41	00TA41R
OCT 31, 910	04:47 AM	180	09CP53	09CA53R
DEC 27, 912	01:47 AM	180	12PI12	12VI12R
FEB 28, 915	08:20 AM	180	12TA28	12SC28R
MAY 20, 917	06:20 AM	180	16CA48	16CP48R
AUG 21, 919	05:10 AM	180	27VI12	27PI12R
NOV 09, 921	02:18 PM	180	08SA03	08GE03R
JAN 12, 924	04:59 AM	180	13AQ04	13LE04R
MAR 11, 926	00:28 AM	180	13AR43	13LI43R
MAY 18, 928	06:48 AM	180	15GE29	15SA29R
AUG 12, 930	04:04 PM	180	22LE50	22AQ50R
NOV 08, 932	09:03 PM	180	03SC56	03TA56R
JAN 20, 935	10:05 AM	180	11CP32	11CA32R
MAR 19, 937	05:44 PM	180	13PI38	13VI38R
MAY 20, 939	09:16 AM	180	14TA29	14SC29R
AUG 04, 941	10:57 PM	180	19CA23	19CP23R
NOV 06, 943	06:37 PM	180	00LI10	00AR10R
FEB 01, 946	07:27 AM	180	10SA53	10GE53
APR 05, 948	08:08 AM	180	14AQ59	14LE59R
MAY 31, 950	12:39 PM	180	15AR24	15LI24R
AUG 06, 952	11:35 PM	180	18GE16	18SA16R
FEB 09, 953	02:57 PM	180	20CA17R	20CP17
APR 12, 953	02:33 PM	180	00LE27	00AQ27
NOV 18, 954	04:43 AM	180	29LE39	29AQ39
JAN 22, 955	05:36 AM	180	10VI42R	10PI42
JUL 31, 955	10:20 AM	180	14LI51	14AR51R
OCT 15, 957	07:40 PM	180	25SA38	25GE38R

DEC 14, 959	05:55 AM	180	29AQ22	29LE22R
FEB 11, 962	05:11 PM	180	29AR32	29LI32R
APR 29, 964	05:19 AM	180	02CA28	02CP28R
JUL 30, 966	01:21 PM	180	11VI38	11PI38R
OCT 23, 968	05:20 AM	180	23SC12	23TA12R
DEC 29, 970	03:56 AM	180	29CP47	29CA47R
FEB 24, 973	03:12 PM	180	01AR00	01LI00R
MAY 01, 975	09:03 AM	180	01GE56	01SA56R
JUL 22, 977	07:11 AM	180	07LE50	07AQ50R
OCT 21, 979	03:31 AM	180	18LI46	18AR46R
JAN 05, 982	01:42 AM	180	27SA43	27GE43R
MAR 06, 984	01:31 AM	180	00PI48	00VI48R
MAY 04, 986	05:39 PM	180	01TA23	01SC23R
JUL 15, 988	10:54 PM	180	04CA59	04CP59R
OCT 15, 990	06:36 AM	180	14VI40	14PI40R
JAN 13, 993	11:25 AM	180	26SC09	26TA09R
MAR 23, 995	03:42 AM	180	01AQ44	01LE44R
MAY 17, 997	07:28 AM	180	02AR27	02LI27R
JUL 20, 999	02:02 PM	180	04GE21	04SA21R

2ND MILLENNIUM CE

This is a list of oppositions between Mars and Jupiter in the 2nd millennium CE.

DATE	TIME	ARC	MARS	JUPITER
------	------	-----	------	---------

| OCT 18, 1001 | 04:21 PM | 180 | 13LE06 | 13AQ06 |

FEB 01, 1002	08:28 AM	180	01VI13R	01PI13
JUL 09, 1002	04:49 AM	180	29VI05	29PI05
SEP 29, 1004	01:39 PM	180	11SA03	11GE03R
NOV 30, 1006	07:02 AM	180	16AQ12	16LE12R
JAN 26, 1009	06:55 PM	180	16AR39	16LI39R
APR 10, 1011	00:34 AM	180	18GE33	18SA33R
JUL 08, 1013	03:16 PM	180	26LE19	26AQ19R
OCT 05, 1015	05:26 PM	180	08SC00	08TA00R
DEC 14, 1017	02:51 PM	180	16CP08	16CA08R
FEB 11, 1020	05:08 PM	180	18PI19	18VI19R
APR 14, 1022	02:28 PM	180	18TA48	18SC48R
JUL 01, 1024	10:04 AM	180	23CA09	23CP09R
SEP 30, 1026	07:45 AM	180	03LI17	03AR17R
DEC 19, 1028	03:15 PM	180	13SA24	13GE24R
FEB 21, 1031	06:10 AM	180	17AQ46	17LE46R
APR 19, 1033	07:23 PM	180	18AR25	18LI25R
JUN 27, 1035	09:12 PM	180	20GE50	20SA50R
SEP 22, 1037	05:14 PM	180	29LE10	29AQ10R
DEC 25, 1039	09:33 AM	180	11SC05	11TA05R
MAR 08, 1042	09:48 AM	180	18CP18	18CA18R
MAY 03, 1044	12:31 PM	180	19PI36	19VI36R
JUL 03, 1046	08:03 AM	180	20TA39	20SC39R
SEP 23, 1048	01:28 AM	180	27CA21	27CP21
FEB 08, 1049	12:26 PM	180	21LE12R	21AQ12
JUN 14, 1049	02:07 PM	180	12VI59	12PI59
SEP 13, 1051	03:40 AM	180	26SC03	26TA03R
NOV 16, 1053	05:10 AM	180	02AQ47	02LE47R
JAN 12, 1056	11:41 AM	180	03AR44	03LI44
MAR 21, 1058	02:30 PM	180	04GE53	04SA53R
JUN 16, 1060	08:21 PM	180	11LE24	11AQ24R

SEP 16, 1062	12:12 PM	180	22LI50	22AR50R
NOV 29, 1064	11:06 AM	180	02CP10	02CA10R
JAN 28, 1067	07:28 PM	180	05PI24	05VI24R
MAR 29, 1069	02:07 PM	180	05TA47	05SC47R
JUN 12, 1071	09:53 AM	180	08CA54	08CP54R
SEP 09, 1073	02:42 AM	180	17VI55	17PI55R
DEC 03, 1075	04:11 AM	180	28SC43	28TA43R
FEB 07, 1078	04:33 AM	180	04AQ33	04LE33R
APR 05, 1080	01:52 PM	180	05AR42	05LI42R
JUN 10, 1082	02:19 AM	180	07GE11	07SA11R
AUG 31, 1084	02:41 PM	180	13LE54	13AQ54R
DEC 03, 1086	11:56 PM	180	25LI33	25AR33R
FEB 20, 1089	01:25 PM	180	04CP24	04CA24R
APR 20, 1091	09:28 PM	180	06PI43	06VI43R
JUN 17, 1093	06:17 AM	180	07TA16	07SC16R
SEP 01, 1095	03:52 AM	180	12CA08	12CP08R
FEB 17, 1096	10:05 AM	180	11LE19R	11AQ19
MAY 17, 1096	02:22 PM	180	26LE29	26AQ29
AUG 25, 1098	06:35 AM	180	10SC39	10TA39R
NOV 01, 1100	08:55 PM	180	19CP08	19CA08R
DEC 28, 1102	09:45 PM	180	20PI55	20VI55
MAR 02, 1105	10:20 PM	180	21TA23	21SC23R
MAY 26, 1107	06:38 PM	180	26CA30	26CP30R
AUG 27, 1109	03:04 AM	180	07LI24	07AR24R
NOV 14, 1111	01:27 PM	180	17SA52	17GE52R
JAN 14, 1114	10:12 PM	180	22AQ20	22LE20R
MAR 14, 1116	04:21 AM	180	22AR51	22LI51R
MAY 24, 1118	05:55 AM	180	25GE00	25SA00R
AUG 18, 1120	11:34 PM	180	02VI53	02PI53R
NOV 15, 1122	00:02 AM	180	13SC57	13TA57R

JAN 23, 1125	03:13 PM	180	21CP01	21CA01R
MAR 23, 1127	12:54 PM	180	22PI50	22VI50R
MAY 24, 1129	06:39 AM	180	23TA48	23SC48R
AUG 11, 1131	11:27 AM	180	29CA05	29CP05R
NOV 12, 1133	01:35 AM	180	10LI01	10AR01R
FEB 04, 1136	01:54 PM	180	20SA08	20GE08R
APR 07, 1138	06:27 AM	180	23AQ47	23LE47R
JUN 02, 1140	07:58 AM	180	24AR17	24LI17R
AUG 11, 1142	03:22 PM	180	27GE36	27SA36R
MAR 04, 1143	07:10 AM	180	02LE42R	02AQ42
APR 12, 1143	04:58 AM	180	09LE03	09AQ03
NOV 20, 1144	04:24 PM	180	09VI03	09PI03
FEB 09, 1145	05:32 PM	180	22VI59R	22PI59
AUG 04, 1145	11:49 AM	180	24LI44	24AR44
OCT 18, 1147	04:57 PM	180	04CP58	04CA58R
DEC 14, 1149	05:35 PM	180	07PI59	07VI59
FEB 14, 1152	06:47 AM	180	08TA09	08SC09
MAY 04, 1154	11:17 PM	180	11CA53	11CP53R
AUG 05, 1156	05:14 PM	180	21VI49	21PI49R
OCT 28, 1158	05:41 PM	180	03SA14	03GE14R
JAN 01, 1161	00:29 AM	180	09AQ08	09LE08R
FEB 28, 1163	11:12 AM	180	10AR02	10LI02R
MAY 05, 1165	07:17 PM	180	11GE17	11SA17R
JUL 29, 1167	01:09 PM	180	17LE50	17AQ50R
OCT 26, 1169	05:54 PM	180	28LI53	28AR53R
JAN 09, 1172	12:26 PM	180	07CP16	07CA16R
MAR 09, 1174	04:11 PM	180	09PI55	09VI55R
MAY 08, 1176	05:01 AM	180	10TA35	10SC35R
JUL 22, 1178	06:38 AM	180	14CA40	14CP40R
OCT 21, 1180	04:20 AM	180	24VI41	24PI41R

JAN 17, 1183	03:48 PM	180	05SA40	05GE40R
MAR 24, 1185	06:08 AM	180	10AQ37	10LE37R
MAY 19, 1187	09:37 PM	180	11AR19	11LI19R
JUL 23, 1189	07:44 PM	180	13GE34	13SA34R
OCT 23, 1191	02:16 PM	180	22LE36	22AQ36
FEB 19, 1192	02:12 AM	180	13VI04R	13PI04
JUL 13, 1192	01:48 AM	180	08LI45	08AR45
OCT 02, 1194	04:52 PM	180	20SA26	20GE26R
NOV 30, 1196	08:13 PM	180	24AQ57	24LE57
JAN 28, 1199	08:40 PM	180	25AR16	25LI16
APR 14, 1201	02:54 AM	180	27GE47	27SA47R
JUL 15, 1203	05:24 PM	180	06VI21	06PI21R
OCT 10, 1205	03:56 PM	180	18SC07	18TA07R
DEC 18, 1207	03:43 PM	180	25CP36	25CA36R
FEB 14, 1210	05:42 AM	180	27PI17	27VI17R
APR 18, 1212	08:41 AM	180	27TA54	27SC54R
JUL 08, 1214	07:44 AM	180	02LE58	02AQ58R
OCT 06, 1216	11:43 AM	180	13LI34	13AR34R
DEC 24, 1218	04:45 PM	180	23SA13	23GE13R
FEB 23, 1221	11:35 PM	180	27AQ00	27LE00R
APR 23, 1223	10:50 PM	180	27AR34	27LI34R
JUL 02, 1225	07:53 PM	180	00CA25	00CP25R
SEP 29, 1227	11:07 PM	180	09VI18	09PI18R
DEC 29, 1229	12:39 PM	180	20SC51	20TA51R
MAR 09, 1232	06:56 PM	180	27CP16	27CA16R
MAY 05, 1234	09:16 PM	180	28PI23	28VI23R
JUL 06, 1236	06:09 AM	180	29TA47	29SC47R
SEP 28, 1238	03:19 PM	180	07LE01	07AQ01
FEB 25, 1239	07:23 PM	180	03VI02R	03PI02
JUN 19, 1239	01:38 PM	180	22VI43	22PI43

SEP 15, 1241	09:29 PM	180	05SA42	05GE42
NOV 17, 1243	10:29 PM	180	11AQ42	11LE42
JAN 13, 1246	02:11 AM	180	12AR22	12LI22
MAR 24, 1248	10:42 PM	180	13GE59	13SA59R
JUN 23, 1250	03:41 PM	180	21LE14	21AQ14R
SEP 21, 1252	05:15 PM	180	02SC54	02TA54R
DEC 03, 1254	07:23 PM	180	11CP46	11CA46R
JAN 31, 1257	10:31 AM	180	14PI32	14VI32R
APR 03, 1259	03:33 AM	180	14TA57	14SC57R
JUN 18, 1261	01:09 AM	180	18CA39	18CP39R
SEP 16, 1263	12:57 PM	180	28VI13	28PI13R
DEC 07, 1265	06:51 PM	180	08SA44	08GE44R
FEB 11, 1268	01:33 AM	180	13AQ53	13LE53R
APR 09, 1270	09:18 AM	180	14AR43	14LI43R
JUN 14, 1272	11:02 AM	180	16GE33	16SA33R
SEP 07, 1274	08:33 PM	180	23LE59	23AQ59R
DEC 09, 1276	05:29 AM	180	05SC41	05TA41R
FEB 23, 1279	04:23 PM	180	13CP43	13CA43R
APR 22, 1281	07:02 AM	180	15PI36	15VI36R
JUN 20, 1283	08:19 PM	180	16TA20	16SC20R
SEP 05, 1285	06:13 PM	180	21CA49	21CP49R
MAR 06, 1286	05:02 PM	180	23LE18R	23AQ18
MAY 21, 1286	01:49 PM	180	06VI04	06PI04
DEC 31, 1287	08:10 AM	180	06LI44	06AR44
FEB 16, 1288	04:56 AM	180	14LI50R	14AR50
AUG 28, 1288	03:36 PM	180	20SC33	20TA33
NOV 03, 1290	09:05 PM	180	28CP14	28CA14
DEC 29, 1292	02:29 AM	180	29PI30	29VI30
MAR 06, 1295	11:04 AM	180	00GE20	00SA20
JUN 01, 1297	12:28 PM	180	06LE21	06AQ21R

SEP 03, 1299	01:16 AM	180	17LI44	17AR44R
NOV 18, 1301	11:57 AM	180	27SA47	27GE47R
JAN 18, 1304	04:41 PM	180	01PI39	01VI39R
MAR 18, 1306	12:53 PM	180	02TA04	02SC04R
MAY 29, 1308	12:54 PM	180	04CA40	04CP40R
AUG 26, 1310	10:47 AM	180	13VI05	13PI05R
NOV 20, 1312	01:23 AM	180	24SC03	24TA03R
JAN 27, 1315	08:43 PM	180	00AQ34	00LE34R
MAR 26, 1317	11:09 AM	180	02AR04	02LI04R
MAY 29, 1319	11:45 AM	180	03GE16	03SA16R
AUG 17, 1321	03:40 PM	180	09LE10	09AQ10R
NOV 19, 1323	00:20 AM	180	20LI19	20AR19R
FEB 07, 1326	11:23 AM	180	29SA44	29GE44R
APR 08, 1328	05:32 PM	180	02PI45	02VI45R
JUN 05, 1330	12:10 PM	180	03TA12	03SC12R
AUG 15, 1332	07:21 PM	180	07CA06	07CP06R
NOV 25, 1334	07:04 PM	180	18VI59	18PI59
FEB 28, 1335	06:39 PM	180	05LI31R	05AR31
AUG 09, 1335	01:39 PM	180	04SC55	04TA55
OCT 20, 1337	08:45 AM	180	14CP29	14CA29
DEC 15, 1339	09:24 PM	180	16PI45	16VI45
FEB 15, 1342	11:41 PM	180	17TA01	17SC01
MAY 10, 1344	07:05 AM	180	21CA37	21CP37R
AUG 13, 1346	04:27 AM	180	02LI18	02AR18R
NOV 02, 1348	07:42 AM	180	13SA26	13GE26R
JAN 04, 1351	11:44 PM	180	18AQ39	18LE39R
MAR 03, 1353	02:26 PM	180	19AR17	19LI17R
MAY 11, 1355	06:40 PM	180	20GE55	20SA55R
AUG 05, 1357	07:43 AM	180	28LE10	28AQ10R
NOV 02, 1359	04:04 PM	180	09SC21	09TA21R

JAN 13, 1362	07:26 AM	180	17CP07	17CA07R
MAR 12, 1364	05:08 PM	180	19PI19	19VI19R
MAY 13, 1366	05:48 AM	180	20TA05	20SC05R
JUL 28, 1368	06:02 AM	180	24CA41	24CP41R
OCT 28, 1370	12:41 PM	180	05LI02	05AR02R
JAN 21, 1373	07:16 AM	180	15SA28	15GE28R
MAR 27, 1375	01:32 AM	180	19AQ49	19LE49R
MAY 22, 1377	03:56 AM	180	20AR27	20LI27R
JUL 28, 1379	10:01 PM	180	23GE09	23SA09R
OCT 29, 1381	00:28 AM	180	02VI45	02PI45
MAR 07, 1382	03:40 PM	180	25VI22R	25PI22
JUL 18, 1382	10:33 AM	180	18LI59	18AR59
OCT 04, 1384	09:40 PM	180	00CP13	00CA13
DEC 02, 1386	00:33 AM	180	03PI52	03VI52
JAN 29, 1389	03:23 PM	180	03TA57	03SC57
APR 19, 1391	01:08 PM	180	07CA14	07CP14R
JUL 22, 1393	08:56 AM	180	16VI49	16PI49R
OCT 17, 1395	01:52 AM	180	28SC43	28TA43R
DEC 22, 1397	03:25 AM	180	05AQ29	05LE29R
FEB 18, 1400	08:46 AM	180	06AR40	06LI40R
APR 23, 1402	10:33 PM	180	07GE28	07SA28R
JUL 15, 1404	01:32 AM	180	13LE18	13AQ18R
OCT 14, 1406	03:23 AM	180	24LI17	24AR17R
DEC 29, 1408	02:30 AM	180	03CP23	03CA23R
FEB 28, 1411	03:41 AM	180	06PI34	06VI34R
APR 27, 1413	06:05 PM	180	07TA06	07SC06R
JUL 09, 1415	03:01 PM	180	10CA29	10CP29R
OCT 06, 1417	10:31 PM	180	19VI54	19PI54R
JAN 04, 1420	07:54 AM	180	01SA06	01GE06R
MAR 13, 1422	02:41 AM	180	06AQ46	06LE46R

MAY 08, 1424	04:30 AM	180	07AR40	07LI40R
JUL 11, 1426	04:10 AM	180	09GE26	09SA26R
OCT 04, 1428	08:34 AM	180	17LE13	17AQ13R
MAR 14, 1429	04:33 AM	180	15VI16R	15PI16
JUN 23, 1429	05:21 PM	180	02LI52	02AR52
SEP 19, 1431	12:53 PM	180	15SA40	15GE40
NOV 18, 1433	08:22 AM	180	20AQ51	20LE51
JAN 14, 1436	12:03 PM	180	21AR12	21LI12
MAR 29, 1438	09:18 PM	180	23GE27	23SA27
JUN 30, 1440	09:47 AM	180	01VI41	01PI41R
SEP 28, 1442	05:10 PM	180	13SC39	13TA39R
DEC 07, 1444	05:26 PM	180	21CP55	21CA55R
FEB 04, 1447	12:22 PM	180	24PI03	24VI03R
APR 07, 1449	04:10 AM	180	24TA23	24SC23R
JUN 25, 1451	07:03 AM	180	28CA45	28CP45R
SEP 23, 1453	03:50 PM	180	09LI02	09AR02R
DEC 14, 1455	00:52 AM	180	19SA19	19GE19R
FEB 14, 1458	03:37 PM	180	23AQ46	23LE46R
APR 13, 1460	02:22 AM	180	24AR21	24LI21R
JUN 20, 1462	09:32 PM	180	26GE32	26SA32R
SEP 15, 1464	01:40 AM	180	04VI40	04PI40R
DEC 16, 1466	02:06 AM	180	16SC19	16TA19R
FEB 26, 1469	02:28 PM	180	23CP31	23CA31R
APR 25, 1471	02:24 PM	180	24PI59	24VI59R
JUN 24, 1473	11:46 AM	180	25TA58	25SC58R
SEP 12, 1475	02:24 PM	180	02LE07	02AQ07R
MAR 24, 1476	09:03 AM	180	05VI47R	05PI47
MAY 24, 1476	01:57 PM	180	16VI05	16PI05
JAN 01, 1478	07:41 PM	180	16LI33	16AR33
MAR 11, 1478	01:29 AM	180	28LI30R	28AR30

SEP 02, 1478	02:33 AM	180	00SA52	00GE52
NOV 04, 1480	05:32 PM	180	07AQ42	07LE42
DEC 30, 1482	02:51 AM	180	08AR25	08LI25
AUG 08, 1484	08:35 PM	180	02TA56	02SC56
SEP 14, 1484	01:18 PM	180	09TA09R	09SC09
MAR 09, 1485	03:10 PM	180	09GE46	09SA46
JUN 09, 1487	03:12 AM	180	16LE44	16AQ44R
SEP 09, 1489	10:57 AM	180	28LI32	28AR32R
NOV 23, 1491	06:54 PM	180	08CP06	08CA06R
JAN 21, 1494	10:26 PM	180	11PI22	11VI22R
MAR 22, 1496	12:25 PM	180	11TA41	11SC41R
JUN 05, 1498	04:08 PM	180	14CA49	14CP49R
SEP 02, 1500	08:49 PM	180	23VI57	23PI57R
NOV 26, 1502	10:03 PM	180	04SA50	04GE50R
JAN 31, 1505	06:54 PM	180	10AQ41	10LE41R
MAR 31, 1507	00:12 AM	180	11AR43	11LI43R
JUN 03, 1509	07:40 AM	180	13GE02	13SA02R
AUG 25, 1511	12:47 PM	180	19LE39	19AQ39R
NOV 25, 1513	04:54 PM	180	01SC10	01TA10R
FEB 12, 1516	07:03 AM	180	09CP56	09CA56R
APR 12, 1518	07:04 AM	180	12PI22	12VI22R
JUN 08, 1520	10:08 PM	180	12TA51	12SC51R
AUG 22, 1522	08:27 AM	180	17CA20	17CP20R
DEC 01, 1524	01:24 PM	180	29VI36	29PI36
MAR 18, 1525	10:32 PM	180	18LI31R	18AR31
AUG 13, 1525	04:44 PM	180	15SC31	15TA31
OCT 22, 1527	04:49 PM	180	24CP15	24CA15
DEC 15, 1529	02:24 PM	180	25PI45	25VI45
JUL 24, 1531	11:33 AM	180	19AR44	19LI44
SEP 11, 1531	01:28 PM	180	28AR10R	28LI10

FEB 19, 1532	02:26 AM	180	26TA17	26SC17
MAY 17, 1534	02:35 PM	180	01LE55	01AQ55R
AUG 20, 1536	05:34 AM	180	13LI18	13AR18R
NOV 08, 1538	07:06 AM	180	24SA06	24GE06R
JAN 08, 1541	10:55 AM	180	28AQ36	28LE36R
MAR 08, 1543	09:44 AM	180	28AR59	28LI59R
MAY 17, 1545	02:27 PM	180	01CA03	01CP03R
AUG 13, 1547	07:19 PM	180	08VI59	08PI59R
NOV 08, 1549	11:31 PM	180	20SC12	20TA12R
JAN 18, 1552	12:48 PM	180	27CP22	27CA22R
MAR 17, 1554	08:16 AM	180	29PI09	29VI09R
MAY 17, 1556	11:56 PM	180	00GE00	00SA00R
AUG 05, 1558	02:19 AM	180	05LE13	05AQ13R
NOV 04, 1560	06:03 PM	180	16LI00	16AR00R
JAN 26, 1563	08:26 PM	180	25SA56	25GE56R
MAR 29, 1565	07:44 PM	180	29AQ36	29LE36R
MAY 26, 1567	05:39 AM	180	00TA00	00SC00R
AUG 02, 1569	06:17 PM	180	03CA05	03CP05R
NOV 05, 1571	08:28 AM	180	13VI20	13PI20
MAR 24, 1572	05:37 PM	180	08LI06R	08AR06
JUL 22, 1572	06:20 PM	180	29LI34	29AR34
OCT 07, 1574	09:46 PM	180	10CP21	10CA21
DEC 01, 1576	07:04 PM	180	13PI06	13VI06
JUL 11, 1578	05:52 AM	180	07AR10	07LI10
SEP 03, 1578	09:15 AM	180	16AR35R	16LI35
JAN 31, 1579	04:33 PM	180	13TA07	13SC07
SEP 03, 1580	01:19 PM	180	07GE29	07SA29
OCT 20, 1580	12:30 PM	180	15GE18R	15SA18
APR 25, 1581	02:34 AM	180	17CA19	17CP19R
AUG 09, 1583	05:22 PM	180	27VI49	27PI49R

NOV 01, 1585	04:36 PM	180	09SA38	09GE38R
JAN 05, 1588	08:25 PM	180	15AQ38	15LE38R
MAR 03, 1590	10:54 PM	180	16AR24	16LI24R
MAY 09, 1592	07:27 AM	180	17GE30	17SA30R
AUG 02, 1594	01:55 PM	180	24LE06	24AQ06R
OCT 31, 1596	03:45 AM	180	05SC23	05TA23R
JAN 13, 1599	08:45 PM	180	13CP55	13CA55R
MAR 13, 1601	08:45 PM	180	16PI32	16VI32R
MAY 13, 1603	06:19 AM	180	17TA03	17SC03R
JUL 26, 1605	04:34 AM	180	20CA57	20CP57R
OCT 25, 1607	09:20 AM	180	00LI50	00AR50R
JAN 19, 1610	10:47 AM	180	11SA38	11GE38R
MAR 26, 1612	01:37 AM	180	16AQ38	16LE38R
MAY 22, 1614	05:30 AM	180	17AR21	17LI21R
JUL 25, 1616	09:13 PM	180	19GE27	19SA27R
OCT 22, 1618	00:03 AM	180	27LE53	27AQ53R
APR 11, 1619	04:14 AM	180	27VI57R	27PI57
JUL 08, 1619	07:11 PM	180	13LI22	13AR22
FEB 18, 1621	12:41 PM	180	14SC14	14TA14
APR 03, 1621	10:28 PM	180	22SC05R	22TA05
OCT 01, 1621	11:20 PM	180	25SA57	25GE57
NOV 29, 1623	03:20 AM	180	00PI13	00VI13
JUL 09, 1625	08:33 AM	180	24PI47	24VI47
SEP 02, 1625	05:28 AM	180	04AR26R	04LI26
JAN 24, 1626	07:48 AM	180	00TA09	00SC09
AUG 24, 1627	09:02 AM	180	23TA21	23SC21
NOV 03, 1627	03:11 PM	180	05GE23R	05SA23
APR 13, 1628	02:46 AM	180	03CA06	03CP06
JUL 18, 1630	09:34 AM	180	12VI20	12PI20R
OCT 14, 1632	08:10 PM	180	24SC41	24TA41R

DEC 22, 1634	09:08 PM	180	02AQ22	02LE22R
FEB 18, 1637	02:08 AM	180	03AR55	03LI55R
APR 23, 1639	01:16 AM	180	04GE20	04SA20R
JUL 12, 1641	10:08 AM	180	09LE21	09AQ21R
OCT 12, 1643	02:28 AM	180	20LI11	20AR11R
DEC 29, 1645	07:30 AM	180	00CP02	00CA02R
FEB 29, 1648	10:29 AM	180	03PI49	03VI49R
APR 28, 1650	06:38 AM	180	04TA14	04SC14R
JUL 07, 1652	00:46 AM	180	06CA54	06CP54R
OCT 03, 1654	06:10 PM	180	15VI40	15PI40R
JAN 01, 1657	01:59 AM	180	27SC08	27TA08R
MAR 12, 1659	11:17 PM	180	03AQ34	03LE34R
MAY 08, 1661	01:09 PM	180	04AR42	04LI42R
JUL 09, 1663	08:38 PM	180	05GE56	05SA56R
SEP 29, 1665	02:14 AM	180	12LE41	12AQ41R
APR 24, 1666	06:35 AM	180	18VI49R	18PI49
JUN 05, 1666	01:44 PM	180	25VI56	25PI56
JAN 16, 1668	02:56 AM	180	26LI47	26AR47
APR 12, 1668	11:55 PM	180	12SC24R	12TA24
SEP 14, 1668	06:24 PM	180	11SA09	11GE09
NOV 15, 1670	12:10 PM	180	17AQ05	17LE05
JUN 28, 1672	00:48 AM	180	12PI25	12VI25
AUG 19, 1672	01:28 PM	180	21PI46R	21VI46
JAN 08, 1673	00:10 AM	180	17AR19	17LI19
AUG 07, 1674	12:06 PM	180	10TA06	10SC06
NOV 02, 1674	01:31 PM	180	25TA02R	25SC02
MAR 23, 1675	10:16 PM	180	19GE21	19SA21
JUN 26, 1677	01:43 AM	180	27LE20	27AQ20R
SEP 26, 1679	11:39 PM	180	09SC34	09TA34R
DEC 08, 1681	05:11 AM	180	18CP39	18CA39R

FEB 05, 1684	09:52 AM	180	21PI17	21VI17R
APR 06, 1686	06:29 PM	180	21TA25	21SC25R
JUN 21, 1688	11:25 PM	180	25CA01	25CP01R
SEP 21, 1690	05:10 AM	180	04LI51	04AR51R
DEC 12, 1692	04:54 PM	180	15SA43	15GE43R
FEB 15, 1695	08:39 PM	180	20AQ57	20LE57R
APR 14, 1697	00:26 AM	180	21AR39	21LI39R
JUN 19, 1699	09:35 PM	180	23GE13	23SA13R
SEP 12, 1701	11:33 PM	180	00VI28	00PI28R
DEC 14, 1703	07:53 AM	180	12SC06	12TA06R
FEB 27, 1706	01:59 AM	180	20CP07	20CA07R
APR 26, 1708	02:56 AM	180	22PI03	22VI03R
JUN 24, 1710	07:34 PM	180	22TA41	22SC41R
SEP 08, 1712	11:18 AM	180	27CA48	27CP48R
DEC 19, 1714	01:19 PM	180	10LI18	10AR18
APR 19, 1715	02:28 PM	180	01SC54R	01TA54
AUG 28, 1715	07:28 PM	180	25SC56	25TA56
NOV 02, 1717	06:42 PM	180	03AQ47	03LE47
JUN 18, 1719	03:57 PM	180	00PI00	00VI00
AUG 05, 1719	10:33 PM	180	08PI39R	08VI39
DEC 25, 1719	04:19 PM	180	04AR32	04LI32
JUL 24, 1721	10:58 AM	180	27AR05	27LI05
OCT 31, 1721	11:26 AM	180	14TA18R	14SC18
MAR 03, 1722	08:48 PM	180	05GE35	05SA35
OCT 05, 1723	03:44 AM	180	00CA52	00CP52
NOV 21, 1723	10:53 AM	180	08CA42R	08CP42
JUN 04, 1724	01:50 AM	180	12LE19	12AQ19R
SEP 07, 1726	11:06 PM	180	24LI14	24AR14R
NOV 23, 1728	09:05 PM	180	04CP37	04CA37R
JAN 23, 1731	06:57 PM	180	08PI30	08VI30R

MAR 23, 1733	07:34 AM	180	08TA43	08SC43R
JUN 04, 1735	02:23 PM	180	11CA13	11CP13R
SEP 01, 1737	06:25 AM	180	19VI50	19PI50R
NOV 27, 1739	03:22 AM	180	01SA05	01GE05R
FEB 02, 1742	06:16 PM	180	07AQ41	07LE41R
APR 01, 1744	02:53 AM	180	09AR02	09LI02R
JUN 03, 1746	08:47 PM	180	09GE54	09SA54R
AUG 22, 1748	06:59 PM	180	15LE37	15AQ37R
NOV 23, 1750	12:52 PM	180	26LI47	26AR47R
FEB 11, 1753	04:48 AM	180	06CP16	06CA16R
APR 13, 1755	06:32 PM	180	09PI23	09VI23R
JUN 09, 1757	06:46 PM	180	09TA45	09SC45R
AUG 20, 1759	06:05 AM	180	13CA17	13CP17R
NOV 22, 1761	10:11 PM	180	24VI01	24PI01
APR 24, 1762	09:53 AM	180	21LI11R	21AR11
AUG 06, 1762	07:06 PM	180	09SC55	09TA55
MAR 21, 1764	09:01 PM	180	10SA33	10GE33
MAY 01, 1764	05:28 PM	180	17SA53R	17GE53
OCT 19, 1764	05:37 AM	180	19CP59	19CA59
JUN 05, 1766	02:38 PM	180	17AQ10	17LE10
JUL 21, 1766	03:19 AM	180	25AQ23R	25LE23
DEC 11, 1766	05:09 AM	180	21PI46	21VI46
JUL 10, 1768	05:23 PM	180	14AR21	14LI21
OCT 26, 1768	02:48 PM	180	03TA20R	03SC20
FEB 11, 1769	09:48 AM	180	22TA00	22SC00
SEP 10, 1770	03:21 AM	180	15GE49	15SA49
NOV 28, 1770	01:38 PM	180	29GE11R	29SA11
MAY 12, 1771	05:01 PM	180	27CA26	27CP26
AUG 17, 1773	05:21 PM	180	08LI42	08AR42R
NOV 08, 1775	05:19 PM	180	20SA16	20GE16R

JAN 10, 1778	05:11 AM	180	25AQ34	25LE34R
MAR 08, 1780	10:56 AM	180	26AR02	26LI02R
MAY 16, 1782	05:30 PM	180	27GE30	27SA30R
AUG 10, 1784	08:59 PM	180	04VI47	04PI47R
NOV 08, 1786	01:16 PM	180	16SC11	16TA11R
JAN 19, 1789	03:22 AM	180	24CP10	24CA10R
MAR 19, 1791	09:53 AM	180	26PI20	26VI20R
MAY 18, 1793	06:30 PM	180	26TA53	26SC53R
AUG 03, 1795	03:47 PM	180	01LE17	01AQ17R
NOV 02, 1797	11:10 AM	180	11LI36	11AR36R
JAN 26, 1800	05:45 AM	180	22SA01	22GE01R
APR 01, 1802	01:06 AM	180	26AQ26	26LE26R
MAY 27, 1804	09:04 AM	180	26AR57	26LI57R
AUG 02, 1806	01:03 PM	180	29GE17	29SA17R
OCT 30, 1808	02:42 AM	180	08VI10	08PI10R
MAY 02, 1809	07:56 PM	180	10LI52R	10AR52
JUL 12, 1809	04:15 AM	180	23LI07	23AR07
FEB 18, 1811	02:14 PM	180	23SC11	23TA11
MAY 09, 1811	03:53 AM	180	07SA33R	07GE33
OCT 05, 1811	12:53 PM	180	05CP38	05CA38
MAY 21, 1813	08:37 AM	180	03AQ34	03LE34
JUL 08, 1813	04:22 AM	180	12AQ16R	12LE16
NOV 28, 1813	09:25 AM	180	08PI56	08VI56
JUN 29, 1815	10:03 PM	180	01AR48	01LI48
OCT 21, 1815	06:05 PM	180	22AR04R	22LI04
JAN 24, 1816	11:21 PM	180	08TA41	08SC41
AUG 22, 1817	07:34 PM	180	01GE52	01SA52
DEC 01, 1817	10:32 PM	180	19GE06R	19SA06
APR 20, 1818	08:59 AM	180	12CA48	12CP48
JUL 27, 1820	04:46 AM	180	22VI58	22PI58R

OCT 23, 1822	04:41 AM	180	05SA20	05GE20R
DEC 28, 1824	06:37 AM	180	12AQ19	12LE19R
FEB 24, 1827	03:49 AM	180	13AR25	13LI25R
APR 29, 1829	05:20 PM	180	14GE03	14SA03R
JUL 22, 1831	08:34 AM	180	19LE49	19AQ49R
OCT 20, 1833	09:14 PM	180	01SC00	01TA00R
JAN 05, 1836	10:06 PM	180	10CP22	10CA22R
MAR 06, 1838	08:52 PM	180	13PI35	13VI35R
MAY 04, 1840	07:20 AM	180	13TA56	13SC56R
JUL 16, 1842	00:02 AM	180	17CA04	17CP04R
OCT 12, 1844	08:05 PM	180	26VI18	26PI18R
JAN 09, 1847	04:56 AM	180	07SA27	07GE27R
MAR 17, 1849	09:29 PM	180	13AQ14	13LE14R
MAY 14, 1851	08:43 AM	180	14AR09	14LI09R
JUL 16, 1853	03:04 AM	180	15GE41	15SA41R
OCT 08, 1855	04:44 AM	180	22LE57	22AQ57R
JAN 21, 1858	05:43 AM	180	06SC44	06TA44
MAY 11, 1858	05:53 AM	180	26SC36R	26TA36
SEP 18, 1858	10:45 AM	180	20SA49	20GE49
MAY 01, 1860	00:57 AM	180	19CP02	19CA02
JUN 27, 1860	04:09 PM	180	29CP33R	29CA33
NOV 14, 1860	01:59 PM	180	25AQ46	25LE46
JUN 17, 1862	04:03 AM	180	19PI08	19VI08
OCT 13, 1862	03:34 AM	180	10AR24R	10LI24
JAN 06, 1863	07:09 AM	180	25AR24	25LI24
AUG 06, 1864	01:03 AM	180	18TA28	18SC28
DEC 02, 1864	11:55 AM	180	08GE54R	08SA54
MAR 28, 1865	04:34 AM	180	28GE30	28SA30
NOV 04, 1866	09:06 AM	180	25CA46	25CP46
DEC 01, 1866	04:26 PM	180	00LE15	00AQ15

JUL 05, 1867	01:51 AM	180	07VI26	07PI26R
OCT 04, 1869	09:24 AM	180	20SC00	20TA00R
DEC 14, 1871	06:51 PM	180	28CP40	28CA40R
FEB 10, 1874	07:54 AM	180	00AR48	00LI48R
APR 12, 1876	08:05 PM	180	00GE58	00SA58R
JUL 01, 1878	06:08 AM	180	05LE09	05AQ09R
SEP 30, 1880	01:04 AM	180	15LI30	15AR30R
DEC 20, 1882	02:11 PM	180	26SA03	26GE03R
FEB 21, 1885	04:22 AM	180	00PI38	00VI38R
APR 20, 1887	12:54 PM	180	01TA07	01SC07R
JUN 27, 1889	04:26 AM	180	03CA05	03CP05R
SEP 21, 1891	10:51 PM	180	10VI58	10PI58R
DEC 21, 1893	00:54 AM	180	22SC32	22TA32R
MAR 03, 1896	06:18 AM	180	29CP51	29CA51R
APR 30, 1898	04:19 PM	180	01AR25	01LI25R
JUN 30, 1900	12:43 PM	180	02GE14	02SA14R
SEP 17, 1902	05:04 AM	180	07LE54	07AQ54R
DEC 26, 1904	11:29 AM	180	20LI26	20AR26
MAY 14, 1905	09:38 AM	180	15SC31R	15TA31
AUG 31, 1905	07:02 AM	180	05SA27	05GE27
APR 10, 1907	01:14 AM	180	03CP51	03CA51
JUN 21, 1907	09:59 PM	180	17CP11R	17CA11
NOV 02, 1907	04:25 PM	180	12AQ20	12LE20
JUN 05, 1909	03:57 AM	180	06PI16	06VI16
OCT 03, 1909	01:35 PM	180	28PI13R	28VI13
DEC 20, 1909	03:35 PM	180	12AR08	12LI08
JUL 23, 1911	06:35 PM	180	05TA19	05SC19
DEC 04, 1911	05:19 AM	180	28TA38R	28SC38
MAR 05, 1912	07:44 PM	180	14GE18	14SA18
OCT 03, 1913	04:21 PM	180	09CA19	09CP19

DEC 16, 1913	10:56 PM	180	21CA45R	21CP45
JUN 12, 1914	06:05 PM	180	22LE18	22AQ18R
SEP 15, 1916	04:55 PM	180	04SC39	04TA39R
NOV 30, 1918	02:38 PM	180	14CP38	14CA38R
JAN 28, 1921	12:16 PM	180	17PI57	17VI57R
MAR 29, 1923	06:13 PM	180	18TA03	18SC03R
JUN 12, 1925	00:11 AM	180	20CA56	20CP56R
SEP 10, 1927	04:31 PM	180	00LI04	00AR04R
DEC 04, 1929	04:16 AM	180	11SA18	11GE18R
FEB 09, 1932	04:48 AM	180	17AQ26	17LE26R
APR 07, 1934	10:02 AM	180	18AR30	18LI30R
JUN 10, 1936	01:21 PM	180	19GE35	19SA35R
SEP 01, 1938	07:01 AM	180	25LE50	25AQ50R
DEC 01, 1940	01:13 PM	180	07SC09	07TA09R
FEB 17, 1943	03:36 PM	180	15CP59	15CA59R
APR 18, 1945	01:56 AM	180	18PI35	18VI35R
JUN 15, 1947	09:11 PM	180	19TA01	19SC01R
AUG 27, 1949	09:36 AM	180	23CA08	23CP08R
DEC 01, 1951	05:13 PM	180	04LI15	04AR15
MAY 18, 1952	10:14 AM	180	04SC36R	04TA36
AUG 08, 1952	06:36 PM	180	19SC21	19TA21
MAR 16, 1954	03:02 PM	180	18SA17	18GE17
JUN 16, 1954	07:09 AM	180	05CP06R	05CA06
OCT 19, 1954	08:38 AM	180	28CP38	28CA38
MAY 22, 1956	03:38 PM	180	23AQ18	23LE18
SEP 20, 1956	08:19 PM	180	15PI35R	15VI35
DEC 04, 1956	12:34 PM	180	29PI03	29VI03
JUL 09, 1958	01:15 PM	180	22AR22	22LI22
DEC 03, 1958	11:34 PM	180	18TA24R	18SC24
FEB 10, 1959	02:00 PM	180	00GE00	00SA00

SEP 10, 1960	09:18 PM	180	24GE28	24SA28
DEC 22, 1960	11:06 AM	180	11CA53R	11CP53
MAY 19, 1961	11:42 AM	180	07LE05	07AQ05
AUG 26, 1963	02:41 PM	180	19LI00	19AR00R
NOV 14, 1965	02:17 PM	180	00CP13	00CA13R
JAN 15, 1968	04:34 PM	180	04PI54	04VI54R
MAR 14, 1970	07:56 AM	180	05TA11	05SC11R
MAY 23, 1972	02:44 PM	180	07CA05	07CP05R
AUG 20, 1974	08:51 AM	180	14VI59	14PI59R
NOV 16, 1976	00:01 AM	180	26SC27	26TA27R
JAN 25, 1979	04:44 PM	180	03AQ54	03LE54R
MAR 24, 1981	11:24 AM	180	05AR43	05LI43R
MAY 25, 1983	08:55 PM	180	06GE19	06SA19R
AUG 11, 1985	11:04 AM	180	11LE08	11AQ08R
NOV 11, 1987	09:25 AM	180	21LI42	21AR42R
FEB 01, 1990	00:07 AM	180	01CP44	01CA44R
APR 04, 1992	10:09 AM	180	05PI41	05VI41R
JUN 01, 1994	04:35 AM	180	06TA10	06SC10R
AUG 08, 1996	02:32 AM	180	08CA54	08CP54R
NOV 06, 1998	10:25 PM	180	18VI14	18PI14R
MAY 30, 1999	04:17 AM	180	24LI37R	24AR37
JUL 10, 1999	01:25 AM	180	01SC43	01TA43

3RD MILLENNIUM CE

This is a list of oppositions between Mars and Jupiter in the 3rd millennium CE.

DATE	TIME	ARC	MARS	JUPITER
------	------	-----	------	---------

FEB 19, 2001 01:57 AM 180 02SA12 02GE12
JUN 12, 2001 05:01 PM 180 23SA06R 23GE06
OCT 03, 2001 05:10 PM 180 14CP16 14CA16
MAY 08, 2003 05:36 PM 180 09AQ51 09LE51
SEP 07, 2003 08:02 PM 180 02PI29R 02VI29
NOV 20, 2003 01:58 PM 180 15PI56 15VI56
JUN 26, 2005 01:02 AM 180 09AR34 09LI34
DEC 05, 2005 00:49 AM 180 08TA25R 08SC25
JAN 15, 2006 09:28 AM 180 15TA26 15SC26
AUG 23, 2007 04:03 PM 180 10GE21 10SA21
DEC 26, 2007 07:53 PM 180 01CA50R 01CP50
APR 24, 2008 01:24 PM 180 22CA01 22CP01
AUG 04, 2010 04:20 AM 180 03LI11 03AR11R
OCT 28, 2012 12:55 PM 180 15SA25 15GE25R
JAN 01, 2015 07:49 PM 180 21AQ42 21LE42R
FEB 27, 2017 02:25 PM 180 22AR26 22LI26R
MAY 05, 2019 09:57 PM 180 23GE23 23SA23R
JUL 29, 2021 03:51 PM 180 29LE53 29AQ53R
OCT 28, 2023 04:04 PM 180 11SC16 11TA16R
JAN 10, 2026 02:26 PM 180 20CP05 20CA05R
MAR 10, 2028 03:58 PM 180 22PI51 22VI51R
MAY 09, 2030 10:02 PM 180 23TA13 23SC13R
JUL 22, 2032 12:06 PM 180 26CA50 26CP50R
OCT 21, 2034 03:09 AM 180 06LI28 06AR28R
JAN 14, 2037 12:33 PM 180 17SA17 17GE17R
MAR 22, 2039 08:52 AM 180 22AQ30 22LE30R
MAY 17, 2041 09:43 PM 180 23AR17 23LI17R
JUL 22, 2043 02:19 AM 180 25GE05 25SA05R

OCT 14, 2045	02:48 PM	180	02VI45	02PI45R
JAN 25, 2048	02:05 PM	180	16SC05	16TA05
JUN 10, 2048	07:36 PM	180	11SA17R	11GE17
SEP 16, 2048	09:54 AM	180	29SA22	29GE22
APR 22, 2050	01:15 AM	180	25CP57	25CA57
AUG 24, 2050	01:37 PM	180	19AQ10R	19LE10
NOV 06, 2050	01:58 PM	180	02PI48	02VI48
JUN 13, 2052	00:01 AM	180	26PI53	26VI53
AUG 06, 2054	09:28 PM	180	26TA54	26SC54
DEC 29, 2054	02:16 PM	180	21GE57R	21SA57
MAR 31, 2055	03:44 AM	180	07CA15	07CP15
OCT 30, 2056	05:36 PM	180	03LE45	03AQ45
DEC 27, 2056	02:08 PM	180	13LE22R	13AQ22
JUL 11, 2057	05:28 PM	180	17VI23	17PI23R
OCT 11, 2059	01:14 AM	180	00SA05	00GE05R
DEC 18, 2061	10:26 AM	180	08AQ05	08LE05R
FEB 14, 2064	08:44 AM	180	09AR41	09LI41R
APR 18, 2066	05:27 AM	180	10GE01	10SA01R
JUL 08, 2068	01:41 AM	180	14LE58	14AQ58R
OCT 08, 2070	05:51 AM	180	25LI49	25AR49R
DEC 25, 2072	06:11 PM	180	05CP56	05CA56R
FEB 26, 2075	00:02 AM	180	09PI56	09VI56R
APR 24, 2077	05:38 PM	180	10TA17	10SC17R
JUL 04, 2079	04:30 AM	180	12CA41	12CP41R
SEP 29, 2081	09:00 AM	180	21VI09	21PI09R
DEC 27, 2083	10:04 PM	180	02SA29	02GE29R
MAR 07, 2086	08:55 PM	180	09AQ07	09LE07R
MAY 03, 2088	10:19 PM	180	10AR25	10LI25R
JUL 05, 2090	01:47 AM	180	11GE30	11SA30R
SEP 22, 2092	03:12 PM	180	17LE43	17AQ43R

DEC 31, 2094	07:26 PM	180	00SC13	00TA13
JUN 11, 2095	11:11 PM	180	29SC51R	29TA51
AUG 28, 2095	09:34 PM	180	14SA02	14GE02
APR 03, 2097	01:33 PM	180	11CP37	11CA37
AUG 11, 2097	09:39 AM	180	05AQ51R	05LE51
OCT 23, 2097	07:29 PM	180	19AQ27	19LE27
MAY 31, 2099	06:26 PM	180	14PI00	14VI00
JUL 23, 2101	09:50 AM	180	13TA41	13SC41
JAN 03, 2102	10:04 PM	180	12GE25R	12SA25
MAR 04, 2102	12:32 PM	180	22GE18	22SA18
OCT 05, 2103	09:04 AM	180	18CA02	18CP02
JAN 07, 2104	05:47 PM	180	03LE57R	03AQ57
JUN 18, 2104	05:10 PM	180	01VI54	01PI54
SEP 22, 2106	11:33 AM	180	14SC35	14TA35R
DEC 04, 2108	11:23 AM	180	24CP07	24CA07R
FEB 01, 2111	01:10 PM	180	26PI56	26VI56R
APR 02, 2113	06:31 PM	180	27TA04	27SC04R
JUN 19, 2115	08:24 AM	180	00LE34	00AQ34R
SEP 18, 2117	00:02 AM	180	10LI17	10AR17R
DEC 10, 2119	06:25 PM	180	21SA18	21GE18R
FEB 13, 2122	01:56 AM	180	26AQ46	26LE46R
APR 11, 2124	04:50 AM	180	27AR30	27LI30R
JUN 16, 2126	09:27 PM	180	28GE54	28SA54R
SEP 08, 2128	02:02 PM	180	05VI53	05PI53R
DEC 09, 2130	04:17 AM	180	17SC20	17TA20R
FEB 21, 2133	06:54 PM	180	25CP29	25CA29R
APR 22, 2135	07:11 AM	180	27PI38	27VI38R
JUN 20, 2137	00:07 AM	180	28TA11	28SC11R
SEP 03, 2139	12:43 PM	180	02LE52	02AQ52R
DEC 08, 2141	03:35 AM	180	14LI16	14AR16R

JUN 18, 2142	02:05 AM	180	19SC06R	19TA06
AUG 04, 2142	08:54 PM	180	27SC36	27TA36
MAR 15, 2144	04:52 AM	180	26SA48	26GE48
AUG 01, 2144	08:54 AM	180	22CP48R	22CA48
OCT 10, 2144	04:52 PM	180	05AQ50	05LE50
MAY 19, 2146	05:09 AM	180	01PI00	01VI00
JUL 08, 2148	08:14 PM	180	00TA37	00SC37
SEP 13, 2150	11:28 AM	180	03CA18	03CP18
JAN 13, 2151	00:35 AM	180	24CA04R	24CP04
MAY 25, 2151	08:46 PM	180	16LE35	16AQ35
SEP 01, 2153	11:51 PM	180	29LI08	29AR08R
NOV 19, 2155	11:11 PM	180	09CP57	09CA57R
JAN 18, 2158	06:40 PM	180	14PI00	14VI00R
MAR 17, 2160	11:23 PM	180	14TA11	14SC11R
MAY 30, 2162	10:02 AM	180	16CA32	16CP32R
AUG 27, 2164	01:24 PM	180	25VI01	25PI01R
NOV 22, 2166	09:39 PM	180	06SA26	06GE26R
JAN 29, 2169	08:07 PM	180	13AQ22	13LE22R
MAR 29, 2171	06:47 AM	180	14AR52	14LI52R
MAY 30, 2173	10:42 PM	180	15GE40	15SA40R
AUG 19, 2175	12:35 PM	180	21LE06	21AQ06R
NOV 18, 2177	11:02 AM	180	01SC57	01TA57R
FEB 06, 2180	04:22 PM	180	11CP25	11CA25R
APR 08, 2182	03:40 PM	180	14PI45	14VI45R
JUN 04, 2184	08:34 PM	180	15TA08	15SC08R
AUG 14, 2186	04:07 PM	180	18CA24	18CP24R
NOV 13, 2188	09:33 PM	180	28VI22	28PI22R
FEB 22, 2191	05:33 AM	180	11SA33	11GE33
JUL 25, 2191	06:10 AM	180	10CP06R	10CA06
SEP 26, 2191	08:43 AM	180	21CP46	21CA46

MAY 05, 2193	01:01 AM	180	17AQ51	17LE51
JUN 26, 2195	02:46 AM	180	17AR49	17LI49
AUG 25, 2197	07:13 AM	180	19GE09	19SA09
JAN 17, 2198	04:55 PM	180	14CA12R	14CP12
APR 29, 2198	11:05 AM	180	01LE13	01AQ13
AUG 11, 2200	11:32 PM	180	13LI24	13AR24R
NOV 04, 2202	11:35 AM	180	25SA23	25GE23R
JAN 06, 2205	00:36 AM	180	00PI54	00VI54R
MAR 04, 2207	09:12 PM	180	01TA22	01SC22R
MAY 12, 2209	05:51 AM	180	02CA45	02CP45R
AUG 08, 2211	01:16 AM	180	10VI00	10PI00R
NOV 05, 2213	08:14 AM	180	21SC34	21TA34R
JAN 17, 2216	05:17 AM	180	29CP49	29CA49R
MAR 16, 2218	12:34 PM	180	02AR07	02LI07R
MAY 15, 2220	05:28 PM	180	02GE34	02SA34R
JUL 31, 2222	05:49 AM	180	06LE40	06AQ40R
OCT 29, 2224	09:37 AM	180	16LI40	16AR40R
JAN 21, 2227	05:03 PM	180	27SA05	27GE05R
MAR 26, 2229	09:27 PM	180	01PI45	01VI45R
MAY 23, 2231	02:13 PM	180	02TA25	02SC25R
JUL 28, 2233	10:51 AM	180	04CA37	04CP37R
OCT 23, 2235	05:16 PM	180	12VI53	12PI53R
JAN 31, 2238	00:57 AM	180	25SC53	25TA53
JUL 22, 2238	06:38 AM	180	27SA54R	27GE54
SEP 08, 2238	11:35 PM	180	06CP49	06CA49
APR 20, 2240	01:51 PM	180	04AQ15	04LE15
JUN 13, 2242	07:49 PM	180	05AR05	05LI05
AUG 09, 2244	04:03 AM	180	05GE30	05SA30
JAN 24, 2245	11:28 PM	180	04CA45R	04CP45
APR 01, 2245	12:51 PM	180	15CA43	15CP43

NOV 02, 2246	11:44 PM	180	12LE45	12AQ45
JAN 18, 2247	11:43 AM	180	25LE37R	25AQ37
JUL 20, 2247	01:36 PM	180	27VI32	27PI32R
OCT 17, 2249	06:53 PM	180	10SA24	10GE24R
DEC 24, 2251	02:30 AM	180	17AQ38	17LE38R
FEB 18, 2254	01:13 PM	180	18AR44	18LI44R
APR 24, 2256	00:28 AM	180	19GE17	19SA17R
JUL 17, 2258	08:07 AM	180	25LE02	25AQ02R
OCT 16, 2260	01:56 PM	180	06SC20	06TA20R
JAN 01, 2263	10:22 PM	180	15CP56	15CA56R
MAR 02, 2265	10:31 PM	180	19PI19	19VI19R
MAY 01, 2267	06:01 AM	180	19TA36	19SC36R
JUL 11, 2269	04:46 PM	180	22CA32	22CP32R
OCT 09, 2271	04:02 AM	180	01LI34	01AR34R
JAN 04, 2274	00:56 AM	180	12SA41	12GE41R
MAR 12, 2276	08:25 PM	180	18AQ38	18LE38R
MAY 09, 2278	03:22 PM	180	19AR40	19LI40R
JUL 11, 2280	04:43 AM	180	21GE03	21SA03R
OCT 01, 2282	03:17 PM	180	27LE49	27AQ49R
JAN 07, 2285	02:45 PM	180	10SC15	10TA15
JUL 27, 2285	02:58 PM	180	17SA18	17GE18
AUG 13, 2285	00:22 AM	180	20SA15	20GE15
APR 04, 2287	05:59 PM	180	20CP19	20CA19
MAY 31, 2289	05:55 PM	180	22PI25	22VI25
JUL 25, 2291	06:16 PM	180	22TA28	22SC28
OCT 08, 2293	12:10 PM	180	27CA23	27CP23
JAN 26, 2294	03:03 AM	180	16LE01R	16AQ01
JUN 26, 2294	09:03 AM	180	11VI58	11PI58
SEP 28, 2296	06:34 PM	180	25SC02	25TA02R
DEC 09, 2298	01:42 PM	180	03AQ55	03LE55R

FEB 05, 2301	03:35 PM	180	06AR03	06LI03R
APR 08, 2303	09:42 PM	180	06GE09	06SA09R
JUN 27, 2305	01:31 AM	180	10LE23	10AQ23R
SEP 27, 2307	07:12 PM	180	20LI55	20AR55R
DEC 17, 2309	06:10 PM	180	01CP42	01CA42R
FEB 19, 2312	09:41 AM	180	06PI28	06VI28R
APR 17, 2314	02:25 PM	180	06TA54	06SC54R
JUN 24, 2316	00:31 AM	180	08CA40	08CP40R
SEP 18, 2318	01:37 PM	180	16VI23	16PI23R
DEC 17, 2320	04:03 AM	180	27SC52	27TA52R
FEB 28, 2323	07:10 AM	180	05AQ17	05LE17R
APR 27, 2325	00:48 AM	180	06AR59	06LI59R
JUN 26, 2327	08:06 PM	180	07GE43	07SA43R
SEP 11, 2329	12:12 PM	180	13LE02	13AQ02R
DEC 17, 2331	07:28 AM	180	24LI43	24AR43R
MAR 18, 2334	04:18 PM	180	06CP08	06CA08
MAY 19, 2336	11:50 AM	180	09PI38	09VI38
JUL 12, 2338	03:32 AM	180	09TA30	09SC30
SEP 17, 2340	11:36 PM	180	12CA45	12CP45
FEB 01, 2341	04:51 PM	180	06LE12R	06AQ12
JUN 01, 2341	09:29 PM	180	26LE30	26AQ30
SEP 10, 2343	04:20 PM	180	09SC37	09TA37R
NOV 25, 2345	11:13 AM	180	19CP56	19CA56R
JAN 24, 2348	01:17 AM	180	23PI21	23VI21R
MAR 23, 2350	11:41 PM	180	23TA26	23SC26R
JUN 06, 2352	10:35 PM	180	26CA24	26CP24R
SEP 06, 2354	03:07 PM	180	05LI40	05AR40R
NOV 30, 2356	11:58 AM	180	17SA03	17GE03R
FEB 05, 2359	12:04 PM	180	23AQ18	23LE18R
APR 03, 2361	12:31 PM	180	24AR17	24LI17R

JUN 07, 2363	11:30 AM	180	25GE13	25SA13R
AUG 28, 2365	04:48 AM	180	01VI25	01PI25R
NOV 28, 2367	04:34 AM	180	12SC43	12TA43R
FEB 13, 2370	00:38 AM	180	21CP38	21CA38R
APR 13, 2372	04:12 PM	180	24PI21	24VI21R
JUN 11, 2374	11:30 AM	180	24TA42	24SC42R
AUG 22, 2376	08:09 AM	180	28CA31	28CP31R
NOV 23, 2378	06:56 PM	180	09LI03	09AR03R
FEB 26, 2381	10:19 PM	180	21SA28	21GE28
MAY 06, 2383	07:22 PM	180	26AQ44	26LE44
JUN 28, 2385	06:30 AM	180	26AR43	26LI43
AUG 30, 2387	06:14 PM	180	28GE36	28SA36
FEB 08, 2388	10:43 PM	180	26CA35R	26CP35
MAY 05, 2388	01:35 AM	180	10LE54	10AQ54
DEC 12, 2389	08:11 AM	180	10VI02	10PI02
JAN 20, 2390	07:21 PM	180	16VI39R	16PI39
AUG 20, 2390	08:08 AM	180	24LI06	24AR06R
NOV 09, 2392	05:54 PM	180	05CP46	05CA46R
JAN 10, 2395	01:58 PM	180	10PI31	10VI31R
MAR 08, 2397	04:45 PM	180	10TA43	10SC43R
MAY 19, 2399	09:28 AM	180	12CA36	12CP36R